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What is claimed is:

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CLAIMS

A cable, comprising:

a plurality of transmission media;

a conductive core having a surface defining channels within which each of the plurality of transmission media are individually disposed; and

an outer jacket maintaining the plurality of data transmission media in position with respect to the core.

- 2. The cable of claim 1, wherein the channels of the conductive core are separated by fins, the cable further comprising:
 - a conductive shield covering the channels and in contact with the fins.
 - 3. The cable of claim 1, wherein the conductive core includes a central cavity.
- 4. The cable of claim 3, further comprising a fiber optic element disposed within the central cavity.
- 5. The cable of claim 3, further comprising a drain wire disposed within the central cavity.

The cable of claim 1, wherein the conductive core is formed principally of a solid fluoropolymer.

- 7. The cable of claim 1, wherein the conductive core is formed principally of a foamed fluoropolymer.
 - 8. The cable of claim 1, wherein the conductive core is formed principally of polyvinyl chloride.
 - 9. The cable of claim 8, wherein the polyvinyl chloride is foamed.
 - 10. The cable of claim 8, wherein the polyvinyl chloride is solid.

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The cable of claim 1, wherein the conductive core is formed of any two or more of a solid fluoropolymer, a foamed fluropolymer, solid polyvinyl chloride and foamed polyvinyl chloride.

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12. A cable, comprising:

a plurality of transmission media radially disposed about a finned element
whose fins electromagnetically shield each of the plurality of transmission media from each
other of the plurality of transmission media.

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- 13. The cable of claim 12, further comprising: a conductive shield disposed about the cable.
- 14. The cable of claim 13, wherein the conductive shield is in contact with the fins of the finned element.
 - 15. The cable of claim 12, wherein the finned element is a fire resistant plastic.

16. The cable of claim 15, wherein the fire resistant plastic includes at least one of the group of a solid fluoropolymer, a foamed fluoropolymer, solid polyvinyl chloride, foamed polyvinyl chloride, a solid polyoletin and a foamed polyoletin.

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